



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 21, 2019

Sims Adams
Managing Member
mPact Environmental Solutions, LLC
400 South Main Street, P.O. Box 277
Fountain Inn, SC 29644

Subject: Label Amendment – Updating the label for category IV toxicity
Product Name: Mpale Antimicrobial with Aegis Microbe Shield
EPA Registration Number: 83129-1
Application Date: March 13, 2019
Decision Number: 549235

Dear Mr. Adams:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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with FIFRA section 6. If you have any questions, please contact Mohammad Alavi by phone at (703) 347-0522, or via email at Alavi.mohammad@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "E. Miederhoff".

Eric Miederhoff
Product Manager 31
Regulatory Management Branch I
Antimicrobials Division (7510P)
Office of Pesticide Programs

Enclosure

ACCEPTED

03/21/2019

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 83129-1

mPale™ ANTIMICROBIAL
with
AEGIS MICROBE SHIELD™
A SILANE QUATERNARY AMMONIUM SALT

ACTIVE INGREDIENT: 3 (trihydroxysilyl) propyldimethyl octadecyl ammonium chloride0.84%
OTHER INGREDIENTS:99.16%
TOTAL.....100.00%

KEEP OUT OF REACH OF CHILDREN

LOT NO.

NET CONTENTS



mPact Environmental Solutions, LLC

P.O. Box 277, Fountain Inn, SC 29644 U.S.A.

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MADE IN U.S.A.

EPA Reg. No. 83129- 1

EPA Est. 66428-SC-1

ENVIRONMENTAL HAZARDS:

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA

De-activation may be required during clean up if a spill occurs. De-activation of mPale Antimicrobial can be achieved by the addition of an anionic surfactant or detergent (such as soap, sulfones, or sulfates) in quantity equivalent to that of the active ingredient.

(Note to Reviewer: Braces indicate optional language.)

PRODUCT FEATURES AND BENEFITS

- mPale Antimicrobial imparts durable biostatic activity to the surface of a wide variety of substrates.
- mPale Antimicrobial is effective against {{mold,} {mildew} {and} {algae}} as a static agent.
- Increased efficiency - through proper application, durable bacteriostatic, fungistatic and algistatic surfaces can be attained with a minimum amount of mPale Antimicrobial.
- Provides freshness and combats deterioration and discoloration caused by bacteria, fungi and algae.
- Cleans {and} {protects} surfaces from odor causing bacteria {and} {discoloration} { or} {staining}
- Cleans {and} {protects} surfaces from {odor causing bacteria} {and} discoloration { or} {staining}
- Antimicrobial surface protectant against odor causing bacteria {and} {discoloration} {or} {staining}
- Antimicrobial surface protectant against discoloration {or} {staining} {and} {odor causing bacteria}

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

FOR INDUSTRIAL/INSTITUTIONAL/RESIDENTIAL/COMMERCIAL USE

APPROVED USES: mPale Antimicrobial is effective against odor causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent. mPale Antimicrobial can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/fungistatic (mold and mildew) activity:

- Carpet, Draperies, Upholstery, Furniture, Book Covers, and Pictures
- Interior Non-Food Contact Hard Surfaces: Floors and Floor Coverings, Walls and Wall Coverings, Ceramic Tile, Concrete, Chrome, Stainless Steel, Sealed Fiberglass, Vinyl, Porcelain, Wood and Glass Fixtures, Marble, and Aluminum

Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

mPale Antimicrobial is to be applied to organic and inorganic surfaces as supplied by brushing, dipping, padding, soaking, or spraying until adequately wet, or applying by foaming techniques. After applying treatment, the surface should be allowed to dry at temperatures from ambient to a maximum of 160°C (320° F) to effect complete condensation of silanol groups and to remove water, solvents and/or traces of methanol from hydrolysis. If necessary, reapply mPale Antimicrobial every three months or when odor, staining and discoloration due to bacteria, mold stains, and mildew stains return.

For Pump Spray Application: Using pump sprayer, apply the product 4-6 inches from the surface making sure the surface is completely covered. Remove excess product with a paper towel or lint free cloth. Allow surface to air dry. Reapply another coat, if desired. If spotting occurs especially on glass or mirrored surfaces, wipe with lint free cloth {{moist} {cloth} {or} {sponge}}. Test for staining and colorfastness of fabrics and carpets by treating and drying a small, concealed area prior to application. One gallon of mPale Antimicrobial treats approximately 200 - 800 square feet. When treating coarser substrates, more mPale Antimicrobial may be required due to absorption.

For Commercial Spray Application: For commercial application equipment (i.e. carpet/upholstery steamers, rotary jet extraction cleaners, pressure sprayers), apply and then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabrics and carpets by treating and drying a small, concealed area prior to application. When treating coarser substrates, more mPale Antimicrobial may be required due to absorption. Dry carpet areas and surfaces before re-entry and dry articles before use.

For Dipping/Soaking Application: Use appropriate sized washbasin or tub for dipping/soaking the item you are treating. Use enough mPale Antimicrobial solution to completely submerge item. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking. The substrate can be dried at room temperatures or at temperatures to a maximum of 160° C (320° F).

For each application, determine optimum application and drying conditions, such as time and temperature before use. If desired, reapply mPale Antimicrobial if odor, staining and discoloration due to bacteria, mold or mildew occur.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

STORAGE: Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F), mPale Antimicrobial has a minimum shelf life of 12 months from date of shipment.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Offer for recycling if available or dispose of in trash in a sanitary landfill or by incineration.

SDS INFORMATION: READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET CAN BE OBTAINED BY WRITING TO mPACT ENVIRONMENTAL SOLUTIONS, LLC OR ON THE WEB AT www.mPACTUSA.com.

NOTICE: mPact Environmental Solutions, LLC warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the labeling when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to written instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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